



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.14/KRIDL/CSR-01/733h/CEMENT/2014-15

Date: 14.01.2015

TEST REPORT ON CEMENT

* CUSTOMER	:	Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
* AGENCY	:	Technical Manager (West), KRIDL, Bangalore.
* NAME OF THE WORK	:	Improvements & Asphaltting to 9 th Cross & other road in Bhuvaneshwari Nagara in Ward No. 14 in Dasarahalli Sub Division, BBMP, Bangalore.
REFERENCE	:	BBMP/DZ/AEE/TDSD/PR/2014-15 Dated: 12.01.2015
SAMPLE ID	:	Cement
SAMPLE RECEIVED ON	:	12.01.2015
PERIOD OF TESTING	:	12.01.2015 to 14.01.2015



The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	30.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	180 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	465 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

- ⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.
- ⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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ಮಾಲೀಕರು, ದಿವ್ಯವಿಜಯ
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Job No.: CTCE/BBMP/W.No.14/KRIDL/CSR-01/733h/SAND-Gradation/2014-15

: 14.01.2015

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

* Customer : Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency : Technical Manager (West), KRIDL, Bangalore.
* Name of Work : Improvements & Asphaltting to 9th Cross & other road in Bhuvaneshwari Nagara in Ward No. 14 in Dasarahalli Sub Division, BBMP, Bangalore.
Reference : BBMP/DZ/AEE/TDSD/PR/2014-15 Dated: 12.01.2015
Technical Reference : IS : 2386 Part 1 - 1963 RA-2007
Sample ID : Fine Aggregates
Sample Received on : 12.01.2015
Date of Testing : 14.01.2015



Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Cumulative Weight Passing in %	Spec.Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	94.10	90-100	90-100	90-100	95-100
2.36	76.80	60-95	75-100	85-100	95-100
1.18	57.40	30-70	55-90	75-100	90-100
600 Micron	38.50	15-34	35-59	60-79	80-100
300 Micron	12.70	5-20	8-30	12-40	15-50
150 Micron	2.50	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-II specific limits.

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Job No.: CTCE/BBMP/W.No.14/KRIDL/CSR-01/733h/CUBE/2014-15

27.02.2015

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer : Asst. Executive Engineer, T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency : Technical Manager (West), KRIDL, Bangalore.
* Name of the work : Improvements & Asphaltting to 9th Cross & other road in Bhuvaneshwari Nagara in Ward No. 14 in Dasarahalli Sub Division, BBMP, Bangalore.
Reference : BBMP/DZ/AEE/TDSD/PR/2014-15 Dated: 12.01.2015
* Sample ID : Cement Concrete
Size of cubes : 150mmx150mmx150mm
Cross Sectional Area : 22500 mm²
Technical Reference : IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete : M₁₅
Compressive Strength as on : 28th day
Sample Received on : 30.01.2015



Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	30.01.2015	27.02.2015	8.089	365.8	16.26
2	30.01.2015	27.02.2015	8.135	382.2	16.99
3	30.01.2015	27.02.2015	8.217	395.6	17.58

* Information is furnished by the Customer/Representative

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ಬೆಂಗಳೂರು, ಕರ್ನಾಟಕ
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